1:Nimuendajú E-5 (1941-1942) 1952
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As Tessmann has already observed, there are no transversal flutes or clarinets of the type known as *torá*. A signal horn made of a simple piece of thick bamboo with a lateral opening, closed on one side and open on the other, is invariably carried in the canoe for signaling the arrival of people and for calling them. 534 [202]

Panpipes commonly consist of eight tubes of bamboo (the longest being 15 cm.), joined by two pairs of rattan lashings (fig. 7, *b*). Panpipes are not played in pairs. The Tukuna name for them is čë'ku or dure'tu (Loreto). Loreto is the name of a sub-Andean department of Peru, pronounced in the Tukuna manner "dure'tu" which makes one suppose that the instrument has come from that region. [177]

There is a kind of ocarina (pu|'čane) made from the seed of the *umarí* (*Porqueiba* sp.), and a clay whistle in the shape of a frog (və:'tavë, a name which imitates the frog's croak). Tessmann erroneously calls it *tó'ke*,[1] which is actually the name of a large megaphone (tə'/k|).

The Tukuna learned from the Neobrazilians not only how to play the violin but also how to make it, and on the Rio Jaeurapá there was an Indian whose violins were sought after by civilized persons—until the authorities of São Paulo de Olivença ordered his arrest for tax evasion (see p. 138). In spite of the attraction this instrument has for the Tukuna, they produce very little music from it, never playing their tribal melodies but only those which they learn from festivities of Neobrazilians in the region, who, for their part, are far from possessing the musical talent of the northeastern Brazilians. 534 177

Pottery

One finds evidence in the kitchen that the Tukuna still produce pottery. This art is principally practiced by women, but not exclusively so, for many men also perform this task to perfection, whereas many women never devote themselves to it. 323 [462]

In all the igarapés inhabited by the Tukúna, a plastic potters' clay of good quality is found more or less frequently; it almost always occurs in the sloughs at the foot of the high bluffs along the river. This raw material is accorded a certain respect, since its patron is an aquatic monster, dyë'vaë, which at times presents itself in the form of the western rainbow. [317] [776]

The clay is said to become useless if a pregnant woman touches or even approaches it: it will not bind, and the jars, on drying, will shatter into pieces. It is considered very dangerous for a woman in this condition to go to the bank to fetch clay, as illustrated by the following legend.[2] [843]

Once, a group of women went to a bank to collect clay for pottery. A woman big with child insisted on accompanying them in spite of the others counseling her not to. The others had already dug out the clay that they needed and had piled it on the bank, where they were still standing when the pregnant woman, seeing nothing suspicious, went down to dig clay, too. She squatted down in the middle of the pit, which was half-filled with water, and took out clay with both hands. Suddenly, dyë'vaë, down at the bottom, allowed a muffled roar to be heard. The women on the bank heard it and cried out: "The owner of the clay is angry! Come up quickly!"

"What is the matter?" replied the pregnant one. "I heard nothing." And she continued to dig. She had just taken out a good quantity of clay when a muffled thunderclap was heard. 539

[1] Tessmann, p. 561.

[2] Cf. the legend of tau/dipë, p. 120.

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539 "Come up, come up!" screamed her companions. But she replied: "It is nothing. A thunderstorm is approaching." But when she still continued, a stronger clap of thunder was heard. Then, frightened, she attempted to get out of the clay pit, but the furious dyü'vaü seized her, pulled her to the bottom, and she was never seen again.

323 *Ceramic technique.*—The clay, at first a yellowish gray, is mixed with a large percentage of husk ash of the *caruipe* (T., pu'ru),[1] which gives it a darker color.

The potter works with the material on top of a wooden slab, on which is placed a round, green leaf of a sort of liana called ečí-pa'tį, one of the Menispermaceae. On the small base of all Tukuna vases one always notes the impressions of the leaf veins of this plant. After making this small, circular, bottom piece, the potter constructs the vase, raising the sides by laying hoops of clay one on top of the other and pressing them together with the fingers (pl. 7, *f*). The sides are then scraped

[415]

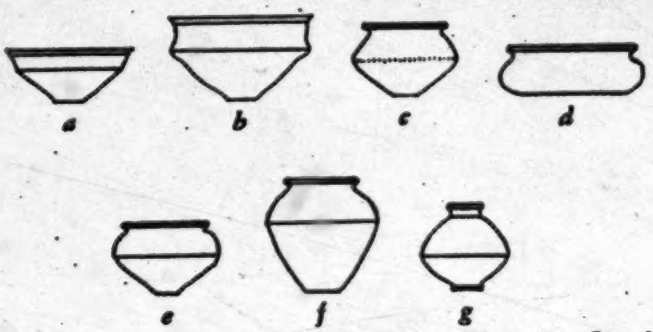

Fig. 8. Pottery. *a, b.* Large bowls, × 3/13. *c, d.* Pots, × 3/13. *e, f.* Jars, × 1/13. *g.* Jug, × 1/13.

[237] to the desired thickness with a rectangular piece of gourd rounded at the corners, or with the plug of a snail shell, and the lip of the vase is smoothed with a piece of moistened fungus (*orelha de pau*).

The potter, coming to the widest part of the vase, props it up so that the still soft sides will not fall in through their own weight; she uses small supports of the frondstalk of the burity palm, or a hoop, with attached supports, made from a piece of the stalk. Propped up in this way, the piece is left to dry slowly in the shade. After the clay has become so firm that the shoring may be dispensed with, the surface of the piece is carefully polished with a seed stone of the anajá palm.

The ware is fired in the yard in an inverted position, covered with fine kindling and pieces of dry tree bark.

323 531 The pots (buetë'rë), when not completely lacking in decoration, show rows of impressions below the lip or at the point of greatest diameter (fig. 8, *c, d*). The plates and bowls, both called čuri in Tukuna, never have handles. Pots and igaçabas (T., barį', jars for fermented drinks) are almost always painted with a white or gray mineral base with the designs in red (urueú), which turns maroon after firing.

The water jugs, tę"į" (fig. 8, *g*; pl. 6, *b*), are globular or subglobular, with a short neck. The jars, which sometimes have a height of 80 cm. and an almost equal diameter, are conical in the lower part, subglobular in the upper. These are always

[1] *Licania scabra* Hook, a wood rich in silicate.

1:Nimuendajú E-5 (1941-1942) 1952
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painted with a meandering pattern of maroon on a white background; sometimes there are also coarsely painted figures of people, animals, and plants. Sometimes, though rarely, the surfaces of the jugs have also plastic decorations in the shape of animals—frogs, toads, lizards, and so forth—which give the impression of climbing up the belly of the piece (pl. 6, *c*). In a rubber-smoking hut made by a Tukuna rubber gatherer (*seringueiro*), I once even saw a hearth decorated in this fashion. No Neobrazilian rubber gatherer ever felt the urge to give such an object an artistic aspect! Decoration, plastic as well as painted, is used principally on certain small vases serving as containers for trifles, on which the potters lavish all their artistic skill (pl. 6, *g*).

In elegance of form and purity of style of painted decorations the pottery of the Tukuna falls far short of the pottery of their neighbors, the Kokáma, and there is no evidence that it was formerly on a higher level than today.

1:Nimuendajú E-5 (1941-1942) 1952
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531
323
415

PLATE 6

Pottery. *a*. Vase used in thickening curare. *b*. Water jar. *c*. Jug with figure of frog in relief. *d*, *f*. Plates. *e*. Decorated vase for trifles. *g*. Small decorated vessels. *a–c*, × ⅛; *d–f*, × ⅛; *g*, × ⅛.

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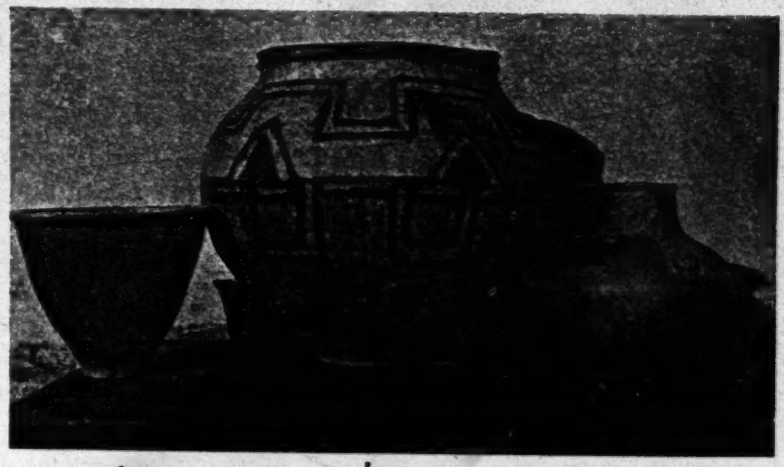

a b c

d e f

[P.18]

g

POTTERY

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PLATE 7

286

Weaving and pottery techniques. *a–d*. Weaving technique used for feathered armband. *a*. Arrangement for raising alternately the odd and the even warp threads. *b*. Method of raising the warp threads with the point of the shuttle. *c*. Spiral frame and needle used in making net bag. *d*. Method of making small thread bag used as cartridge belt. *e*. Weaving a forehead band for net bag. *f*. Making pottery.

[323]

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286

a b c d

[516]
[323]

e

f

WEAVING AND POTTERY TECHNIQUES

2: Nimuendajú E-5 (1941-1942) 1948
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291 Men formerly wore a belt with one apron of turury inner bark in front and another behind. The penis was stuck under the belt. Women [174] perhaps at first went about entirely nude, but later adopted a short cloth of turury or of woven cotton, wrapped around the hips. Men wore 301 bracelets with long feathers and necklaces of teeth (pl. 65, *bottom*). At 292 feasts chiefs wore a cap of feathers mounted on a cotton or *Bromelia* net, or large diadems.

MANUFACTURES

532 **Bark cloth.**—Various masks and zoomorphic figures are made of bark 287 cloth (pl. 64).

285 **Basketry.**—Clothes baskets are made of uarumã stalks with a round opening closed with a lid. Four points are drawn up and down over the lid and the bottom, the latter serving as legs. Other baskets have a flat square lid and bottom. Both types of baskets are made in all sizes, from 2 to 16 inches (4 to 40 cm.) in diameter. Burdens are carried [482] in large conical baskets hexagonally woven of liana, or in cylindrical baskets of uarumã stalks. These are supported by an embira-fiber tumpline. The *Tucuna* also use pouches of looped tucum threads.

323 **Pottery.**—Women and sometimes men still make bowls, dishes, pans, [531] and pots of clay, which are decorated with painted or modeled ornaments. [776] Potter's clay is gathered according to certain rules so as not to anger its owner, a water demon who appears in the shape of the western rainbow.

415 **Gourds.**—Gourds are covered with a black lacquer, and may bear de- 531 signs in indelible red pigment. Wooden spoons are carved, sometimes in fantastic shapes.

411 **Weapons.**—The bow is 6½ feet (2 m.) long with the ends notched to hold the string. It is now rare, even as a fishing weapon. The hunting arrow has a poisoned wooden head and feathering of the arched type. Arrows are 5 feet 4 inches (1⅗ m.) long. Spears have three types of points: (1) a poisoned, wooden point with four corners; (2) an iron point; and (3) a plain pointed stick. The last two are still used to hunt jaguars and peccaries. The *Tucuna* blowgun is over 10 feet (3 m.) long, and the darts 1 foot (30 cm.) long. The poison [278] is the most effective of any made in the Amazon Basin, but its manu- [178] facture, which requires much time and care, is now being forgotten. [231] Hunting dogs, which are of little use, are, according to tradition, pre- [173] Columbian.

SOCIAL AND POLITICAL ORGANIZATION

181 The *Tucuna* are industrious and hard working, kind to their friends, honest, patient, and hospitable. But they are more liable than other Indians [762] to great outbursts of sudden anger, a trait which sometimes leads them to suicide. This is a manifestation of their individualism and desire to live

5: Bates N-5 (1848-1859) 1892
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a chief of more or less influence, according to his energy and ambition, and possessing its pajé or medicine man, who fosters its superstitions; but they are much more idle and debauched than other Indians belonging to the superior tribes. They are not so warlike and loyal as the Mundurucús, although resembling them in many respects, nor have they the slender figures, dignified mien, and gentle disposition of the Passés; there are, however, no trenchant points of difference to distinguish them from these highest of all the tribes. Both men and women are tattooed, the pattern being sometimes a scroll on each cheek, but generally rows of short straight lines on the face. Most of the older people wear bracelets, anklets, and garters of tapir-hide or tough bark; in their homes they wear no other dress except on festival days, when they ornament themselves with feathers or masked cloaks made of the inner bark of a tree. They were very shy when I made my first visits to their habitations in the forest, all scampering off to the thicket when I approached, but on subsequent days they became more familiar, and I found them a harmless, good-natured people.

A great part of the horde living at the first Maloca or village dwell in a common habitation, a large oblong hut built and arranged inside with such a disregard of all symmetry, that it appeared as though constructed by a number of hands, each working independently, stretching a rafter or fitting in a piece of thatch, without reference to what his fellow-labourers were doing. The walls as well as the roof are covered with thatch of palm-leaves; each piece consisting of leaflets plaited and attached in a row to a lath many feet in length. Strong upright posts support the roof, hammocks being slung between them, leaving a free space for passage and for fires in the middle, and on one side is an elevated stage (*girao*) overhead, formed of split palm-stems. The Tucúnas excel most of the other tribes in the manufacture of pottery. They make broad-mouthed jars, for Tucupí sauce, caysúma or mandioca beer, capable of holding twenty or more gallons, ornamenting them outside with crossed diagonal streaks of various colours. These jars, with cooking-pots, smaller jars for holding water, blow-pipes, quivers, matirí bags* full of small articles, baskets, skins of animals, and so forth, form the principal part of the furniture of their huts, both large and small. The dead bodies of their chiefs are interred, the knees doubled up, in large jars under the floors of their huts.

The semi-religious dances and drinking bouts usual amongst the settled tribes of Amazonian Indians are indulged in to greater excess by the Tucúnas than they are by most other tribes. The Juruparí or Demon is the only superior being they have any conception of, and his name is mixed up with all their ceremonies, but it is difficult to ascertain what they consider to be his attributes. He seems to be believed in simply as a mischievous imp, who is at the bottom of all those mishaps

* These bags are formed of remarkably neat twine made of Bromelia fibres elaborately knitted, all in one piece, with sticks; a belt of the same material, but more closely woven, being attached to the top to suspend them by. They afford good examples of the mechanical ability of these Indians. The Tucúnas also possess the art of skinning and stuffing birds, the handsome kinds of which they sell in great numbers to passing travellers.